

Claims PTO

3/19/03

~~APPENDIX A~~ ~~EDAM AMENDMENT~~
INCLUDING NOTATIONS TO INDICATE CHANGES MADE
Serial No.: 09/910,392
Docket No.: 54933US008

Amendments to the following are indicated by underlining what has been added and bracketing what has been deleted.

In the Claims

For convenience, all pending claims are shown below.

32. An array comprising:

a polymeric substrate comprising a relaxed oriented film or a relaxed elastomeric material, the substrate having a surface;
a mask layer on said surface, the mask layer comprising ink and linking agents wherein the mask layer has a projected surface area and a topographical surface area wherein the topographical surface area is greater than the projected surface area;
and at least one reactant affixed to one or more binding sites within the mask layer.

33. The ^{array} article of claim 32, wherein the mask layer has an optical density of about 0.5 or greater for light of selected wavelengths.

34. The ^{array} article of claim 33, wherein the mask layer has an optical density of about 1.0 or greater for light of selected wavelengths.

35. The ^{array} article of claim 32, wherein the topographical surface area is at least two times greater than the projected surface area.

36. The ^{array} article of claim 32, wherein the topographical surface area is at least five times greater than the projected surface area.

37. The ^{array} article of claim 32, wherein the topographical surface area is at least fifteen times greater than the projected surface area.

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For: ARRAYS WITH MASK LAYERS AND METHODS OF MANUFACTURING SAME

38. The ~~article~~^{array} of claim 32, wherein the substrate is derived from a heat shrink film starting material.

39. The ~~article~~^{array} of claim 38 wherein the heat shrink film comprises biaxially oriented low density polyethylene, biaxially oriented linear low density polyethylene, biaxially oriented ultra low density polyethylene, or biaxially oriented ethylene vinyl acetate.

40. The ~~article~~^{array} of claim 32, wherein the linking agents comprise an azlactone moiety.

64. The ~~article~~ of claim 32 further comprising one or more binding sites within the mask layer.

65. – 66. (CANCELLED)

67. An ~~array comprising:~~
~~the article of claim 64; and~~
~~at least one reactant affixed to the one or more binding sites.~~

68. The ~~array of claim 67~~³² wherein the reactant comprises one or more amino acids, one or more nucleic acids, one or more proteins, one or more carbohydrates, or a combination thereof.

69. The ~~array of claim 67~~³² wherein the reactant comprises one or more oligonucleotides.

70. The ~~array of claim 67~~³² wherein the reactant comprises cDNA.